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ABSTRACT OF THE DISCLOSURE

It is usual to utilize electric current filters for electroacoustic transducers, the filters are in general frequency mixers. Audio electric signals have a pulse response quality and excellent frequency adjustment. As for electroacoustic transducers, the transformation is not properly carried out for electroacoustic transducers. The electric pulses travel at the speed of the electrons whereas the membrane and its motor have a specific weight. The weight has a mechanical inertia preventing an instantaneous response to the electric effects. A method can modify at least one modulation of the original electric pulse into micro electrical phase shifts. The micro phase shifts are generated by impedance of the components. An apparatus has several components of similar type mounted in parallel, thereby forming a self-powered oscillator, energized by the original electric signal. The apparatus is mounted on the circuit powering the enclosure.